

# Troubleshooting Intermittent Internet Connections Article no. 5313

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## Introduction

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**Non-GPON Symmetrical (formerly Wave G) in CA, OR and WA:** Follow troubleshooting steps, **except** power cycle modem and access Merlin.

If a Non-GPON Symmetrical (formerly Wave G) customer experiences disconnections at regular intervals, ensure the ethernet cord is connected to the correct port on the router (**WAN/Internet**). If customer complains about **frequent calls** in on same problem followed by **momentary resolution**, consider scheduling a **Trouble Call** to address issue regardless of troubleshooting outcome. **Note your Case Well, remember to quote charges.**

## Resolution Steps

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1. Check for **outages**
2. **Power cycle the modem**
3. Make sure all cables/wires are firmly connected
4. **Access the Modem in Merlin**
  - For a red message, levels or packet loss, reboot the modem
    - If the results remain red after a reboot, place a Trouble Call (see below)
  - For ping time spikes over 250ms, place a Trouble Call (see below)

- For packet loss of 5% or greater (or red mark in Merlin), place a Trouble Call (see below)

5. If the levels are **normal**, review *History Tab* in Merlin

- If there are a large number of down statuses in recent history, place a Trouble Call (see below)
- If there are a few down statuses in recent history and the customer service looks fine now, place a Trouble Call (see below)

6. If everything in Merlin looks good, ask customer if they are experiencing the issue right now

- If customer is not currently having a problem, have them call back the next time they have the issue

7. If the the problem persists or customer still wants a service call:

Click **Create Work Order or Technical Case** button on the **Work Orders Tab** in **BOLT**

Fill out the information as described below and click **Submit**

<b>Trouble Call or Tech Case</b>	Trouble Call
<b>Service Category</b>	Data
<b>Problem Description</b>	EY - Intermittent Modem
<b>Select</b>	All Affected Equipment
<b>Schedule</b>	First available time that works for the customer

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